



PATENT

Case Docket No. KANEKO.014AUS

Date: June 26, 2009

Page 1

In re application of: Minoru Umemoto et al.

App. No. : 10/585,707

Filed : July 19, 2006

For : PROCESS OF FORMING ULTRAFINE  
CRYSTAL LAYER, MACHINE COMPONENT HAVING  
ULTRAFINE CRYSTAL LAYER FORMED BY THE  
ULTRAFINE CRYSTAL LAYER FORMING PROCESS...

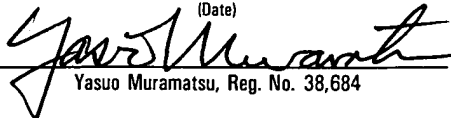
Examiner : Unknown

Art Unit :

I hereby certify that this correspondence and all marked attachments  
are being deposited with the United States Postal Service as first  
class mail in an envelope addressed to: Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450, on

June 26, 2009

(Date)

  
Yasuo Muramatsu, Reg. No. 38,684

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

Transmitted herewith is a document for the above-identified utility application.

() An extension of time to respond for \* month(s) is hereby requested.

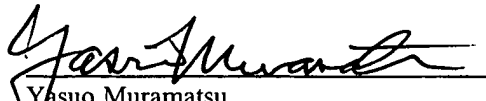
Time Extension Fee:

- () one month (\$130 large entity).
- () two months (\$490 large entity)
- () three months (\$1110 large entity)

Enclosed are:

(X) An Information Disclosure Statement (IDS) with PTO-1449 form, three references, and office action issued  
by Japanese Patent Office.

(X) Return prepaid postcard.

  
Yasuo Muramatsu  
Registration No. 38,684  
Attorney of Record  
114 Pacifica, Suite 310  
Irvine, California 92618  
(949) 753-1127



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|            |   |   |   |                |
|------------|---|---|---|----------------|
| Applicant  | : | Minoru Umemoto et al.                     | ) | Group Art Unit |
|            |   |   | ) |                |
| Serial No. | : | 10/585,707                                | ) |                |
|            |   |   | ) |                |
| Filed      | : | July 10, 2006                             | ) |                |
|            |   |   | ) |                |
| For        | : | PROCESS OF FORMING                        | ) |                |
|            |   | ULTRAFINE CRYSTAL LAYER, MACHINE          | ) |                |
|            |   | COMPONENT HAVING ULTRAFINE CRYSTAL LAYER  | ) |                |
|            |   | FORMED BY THE ULTRAFINE CRYSTAL LAYER     | ) |                |
|            |   | FORMING PROCESS, PROCESS OF PRODUCING     | ) |                |
|            |   | THE MACHINE COMPONENT, PROCESS OF FORMING | ) |                |
|            |   | NANOCRYSTAL LAYER, MACHINE COMPONENT      | ) |                |
|            |   | HAVING NANOCRYSTAL LAYER FORMED BY THE    | ) |                |
|            |   | NANOCRYSTAL LAYER FORMING PROCESS, AND    | ) |                |
|            |   | PROCESS OF PRODUCING THE MACHINE          | ) |                |
|            |   | COMPONENT                                 | ) |                |
|            |   |   | ) |                |
| Examiner   | : | Unknown                                   | ) |                |

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of  
 Patents and Trademarks  
 Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a form PTO-1449 listing three prior art references relevant to the above-identified application. A copy of each of the references is also enclosed herewith. This information disclosure statement is filed more than three months after the filing of the above-identified application but before the first office action on the merits, and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1) and § 1.97(b)(3).

The prior art references submitted herewith are cited in the office action issued by the Japanese Patent Office for the

Serial No. : 10/585,707  
Filed : July 10, 2006

counterpart Japanese case. A copy of the office action issued by Japanese Patent Office is enclosed herewith.

Two of the references are Japanese Laid-Open publications each being attached with an English abstract. The non-patent document included here which is directed to "forming nano-crystal for strengthening steel material" by Minoru Umemoto is relevant to the present invention because it discloses a technology to increase the strength of steel material by minimizing the size of crystals of the steel to a nano-meter level.

The applicant respectfully requests that the references disclosed in the statement be considered in the substantive examination of this case.

Respectfully submitted,

MURAMATSU & ASSOCIATES

Dated: \_\_\_\_\_

6/26/09

By: \_\_\_\_\_



Yasuo Muramatsu  
Registration No. 38,684  
Attorney of Record  
114 Pacifica, Suite 310  
Irvine, CA 92618  
tel: (949) 753-1127

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